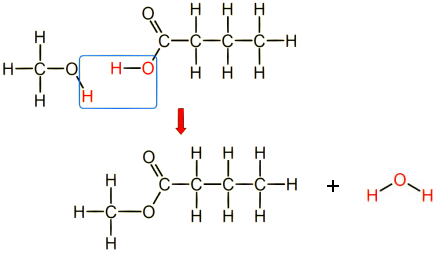
**Esters (Level 3) examiners tips: Read these please!**

Is the structural diagram of the ester formed below **Methyl butanoate** or **Butyl methanoate**?



The carbonyl bond (C=O) indicates the carboxylic side of the ester *ie* ***butanoic acid***

The single bond to the oxygen atom indicates that this oxygen atom was from the alcohol

*ie* ***methanol***

When naming esters name the alcohol side first, change the name ending to –yl

ie *methanol becomes* ***Methyl***

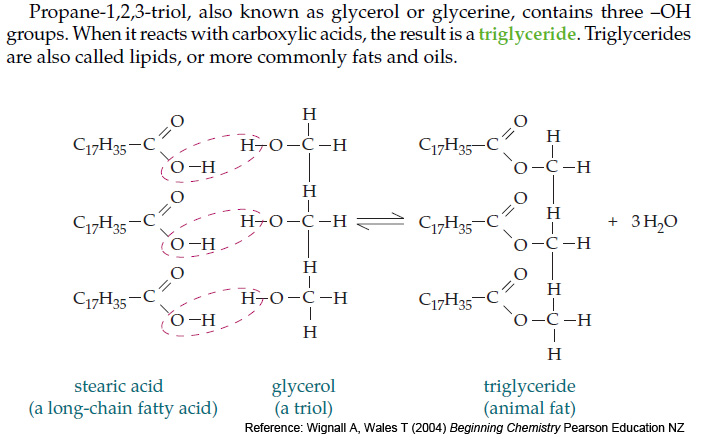
Then name the carboxylic acid side, change the name ending to –anoate

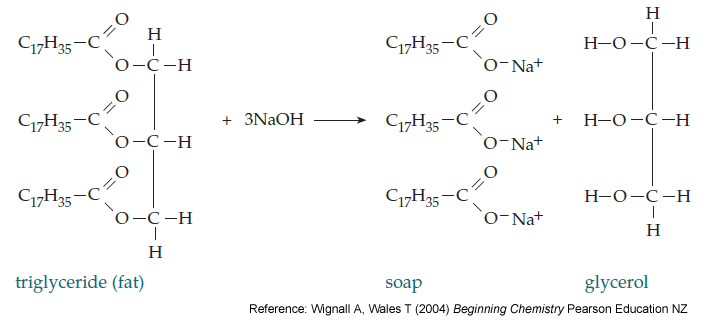
ie *butanoic acid becomes* ***butanoate***

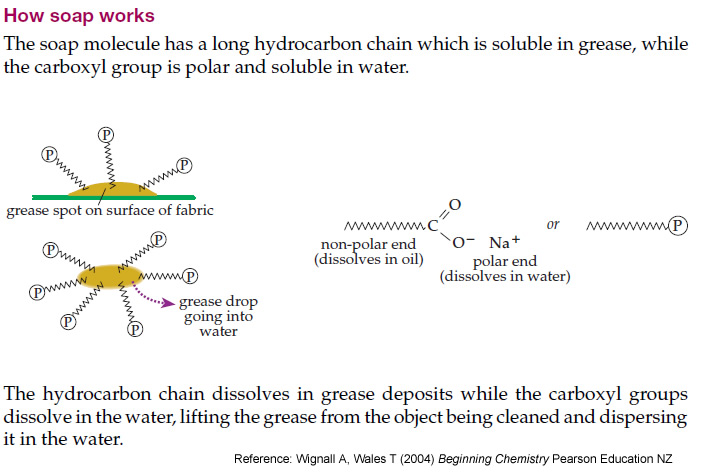
**­Answer: Methyl butanoate**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

note that, for Excellence, you must be able to write the hydrolysis equations of esters







**Also…”don’t be daft”, what NOT to do**

don't forget that the second product of an esterification reaction is water

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